

5

UNITED STATES DEPARTMENT OF AGRICULTURE

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Sanibel, Florida

MAR 10 1952

March 8, 1952

To: R.C. Bushland, In Charge

From: A.H. Baumhover

Subject: Weekly Progress Report

Egg masses collected during the week are as follows:

Date		2/29	3/1	2	3	4	5	6
Temp. range		68	71	75	75	74	74	72
in F. degrees		58	63	62	68	68	62	62
Egg masses	SR	0	0	0	0	1	0	0
Knip	FR	0	0	0	2	3	2	0
Pen	SNR	0	0	1	0	0	1	0
	FNR	5	3	2	3	3	3	5*
	SR	0	0	4	0	3	4	0
Bush	FR	0	0	1	5	1	0	1
Pen	SNR	0	0	0	0	0	1	0
	FNR	0	2	3	2	3	2	1
	SR	0	0	0	5	3	1	1
Eddy	FR	0	1	2	3	0	4	1
Pen	SNR	0	0	0	1	4	0	2
	FNR	8	3	3	6	6	7	4
	(SR) ^x							1

*Larvae in 2 egg masses died shortly after emergence.

^xLarvae died in egg shell.

Emergence of the pupae received 2/27/52 averaged 57% for the X-rayed and 74% for the normal.

Correction: Emergence of X-rayed pupae of the 2/20/52 release should read 79% instead of the previously reported 84%.

Note During the week 1 case of screw-worms in a cat was reported. Inspection of the wound revealed a typical screw-worm situation, however, no screw-worms were actually seen.

Two-day old larvae in one of the infested goats were observed to be dead and dying. Some of the larvae were having difficulty in molting and others had a dark, beeswax appearance. To our knowledge the wound had not been treated.

Weekly progress report, Baumhover, 3/7/52 p.2.

Fly collections made during the week are as follows:

Trap	School	Junction	Captiva	St.James	Pt.Rassa	Estero	Trap No.4	Immo-kalee
Date	3/7	3/6	3/7	3/6	3/6	3/6	3/6	3/6
Catch (qts)	0.3	0.8		0.15	0.15	0.1	0.8	0.5
No. days	8	7	8	16	7	7	7	5
R.-C. am.	12	59		0	1	0	0	0
NR.-C. am.	0	14		0	0	0	0	1

Egg masses collected from goats on the mainland are as follows:

Date	2/29	3/1	2	3	4	5	6
Punta Rassa	0	0	0				
Trap No. 4				0	0	0	0
Immokalee		3	4	0	3	2	0
Miles City	7						

Permission was eventually granted for the establishment of a goat pen near Trap No. 4.

Alfred H. Baumhover

cc: E.F.Knipling
G.W.Eddy

*P.S. 3rd Shipment of 10:1 received
in good shape.*

Weekly progress report, Baumhoyer, 3/7/52 p.2.

Fly collections made during the week are as follows:

Trap	School	Junction	Captiva	St. James	Pt. Nassau	Watero	Trap
Date	3/7	3/6	3/7	3/6	3/6	3/6	No. 4
Catch (pts)	0.3	0.8	0.15	0.15	0.15	0.1	0.8
No. days	8	7	8	16	7	7	7
R.-C. am.	12	59	0	0	1	0	0
NR.-C. am.	0	14	0	0	0	0	0

Egg masses collected from goats on the mainland are as follows:

Date	2/29	3/1	2	3	4	5	6
Punta Nassau	0	0	0	0	0	0	0
Trap No. 4	0	0	0	0	0	0	0
Immokalee	3	4	0	3	2	0	0
Miles City	7						

Permission was eventually granted for the establishment of a goat pen near Trap No. 4.

Official Statement

cc: H.F. Knippling
G.W. Eddy

P.S. and Statement re: 1 specimen
in your office

MAR 19 1952

570-64
v7-1

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH ADMINISTRATION
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Sanibel, Florida

March 17, 1952

To: R.C. Bushland, In Charge

From: A.H. Baumhover

Subject: Weekly Progress Report

Egg masses collected during the week are as follows:

Date		3/7	8	9	10	11	12	13	14	15	16
Temp.range		65	66	73	76	76	78	76	78	74	60
F.degrees		58	58	54	63	68	68	70	70	65	58
Egg masses--											
	SR	0	2	0	0	1	0	0	3	2	0
Knip	FR	0	2	2	0	1	3	2	8	3	0
Pen	SNR	0	0	0	0	0	0	0	0	0	0
	FNR	0	0	0	0	1	0	0	0	0	0
	SR	0	0	0	5	0	0	1	1	2	0
Bush	FR	0	0	3	0	1	0	2	0	0	0
Pen	SNR	0	0	0	1	0	0	0	0	0	0
	FNR	0	1	0	0	0	0	1	0	0	0
	SR	0	0	0	0	0	2	0	0	1	0
Eddy	FR	0	0	3	1	0	0	2	1	1	1
Pen	SNR	1	0	0	0	0	0	0	0	0	0
	FNR	3	0	0	2	0	0	2	1	0	2
Trap #4*	FNR	0	0	0	0	0	0	0	0		

Immokalee FNR 0 1 1 0 0 0 2 1

Goats moved to Sanibel
afternoon 3/14/52

*Three masses observed 3/7 to have been laid 3/6, hatched,
(not previously reported).

Fly collections made during the week are as follows:

Trap	School	Junction	Captiva	St.James	Pt.Rassa	Estero	Trap #4	Imokalee
Date	3/13	3/13	3/13	--	3/13	3/13	3/13	3/13
Catch (qts)	0.1	0.3	2.5		0.1	0.2	1.0	0.9
No. days	7	7	7		7	7	7	7
R.-C.am	2	11	19		0	0	0	0
NR.-C.am	0	2	23		0	0	0	0

Weekly progress report, Baumhover, 3/17/52 p.2.

Weather permitting, status traps will be placed on the north end of Big Pine Island, on La Costa and South Boca Grande 3/18/52.

Mr. Graham sustained a foot injury 3/14 and will probably be in the hospital until 3/19 before the fractured bones can be set. The accident occurred as Mr. Skipper and Mr. Graham were attempting to dislodge the animal trailer from soft sand.

One goat was observed to have a serious infestation of mites in both ears. A semi-solid exudate completely plugged both ear openings and the condition was undoubtedly a factor in the animal's recent death. Specimens are being sent in for identification. The goat was one of the number recently delivered from Texas.

Repair of the Nuclear counter was effected in time to allow positive identification of collected egg masses. The masses involved were allowed to hatch and the larvae developing were concentrated for eventual monitoring.

Emergence of pupae for the 3/12/52 release averaged 70% for the X-rayed and 84% for the normal.

cc: E.F. Knipling
G.W. Eddy

Alfred H. Baumhover

3

MAR 24 1952

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH ADMINISTRATION
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Sanibel, Florida

March 22, 1952

To: R.C. Bushland, In Charge

From: A.H. Baumhover

Subject: Weekly Progress Report

Egg masses collected during the week are as follows:

Date		3/17	18	19	20	21
Temp.range		62	72	74	78	78
F.degrees		52	56	68	67	66
Egg masses--						
Knip	SR	0	1	1	0	0
	FR	0	0	0	0	0
Pen	SNR	0	0	0	0	0
	FNR	1	0	0	0	0
Bush	SR	0	0	0	1	0
	FR	0	0	0	1	2
Pen	SNR	0	0	0	0	0
	FNR	0	0	0	0	0
Eddy	SR	0	0	2	0	0
	FR	0	1	3	1	1
Pen	SNR	0	0	2	0	0
	FNR	0	1	0	6	4

Fly collections made during the week are as follows:

Trap	School	Junction	Captiva	St.James	Pt.Rassa	Estero
Date	3/21	3/21	3/21	3/17	3/21	3/21
Catch (qts)	0.2	0.3	1.4	0.1	0.05	0.1
No. days	7	7	7	11	8	8
R.-C.am.	1	5	30	0	0	0
NR-C.am.	0	1	35	0	0	0

Four traps were established 3/17/52 on islands north of Sanibel as designated on the enclosed map.

cc: E.F. Knipling
G.W. Eddy

A.H. Baumhover

Emergence 3/12/52 release :

X-ray 48%

Normal 53%

South Boca Grande

← (Pass treacherous
to small craft)

8

Lago Island

9

7

Finland

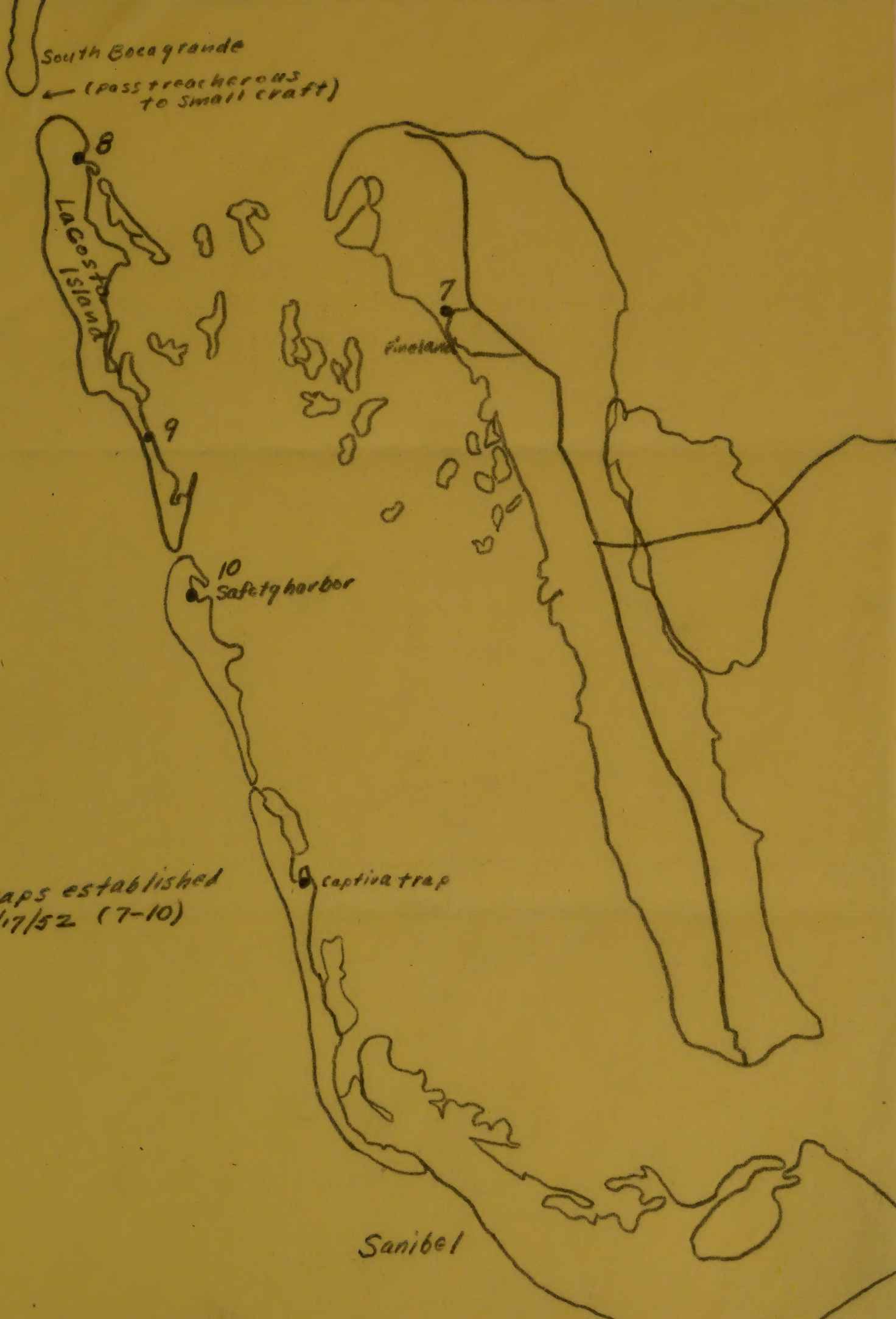
10

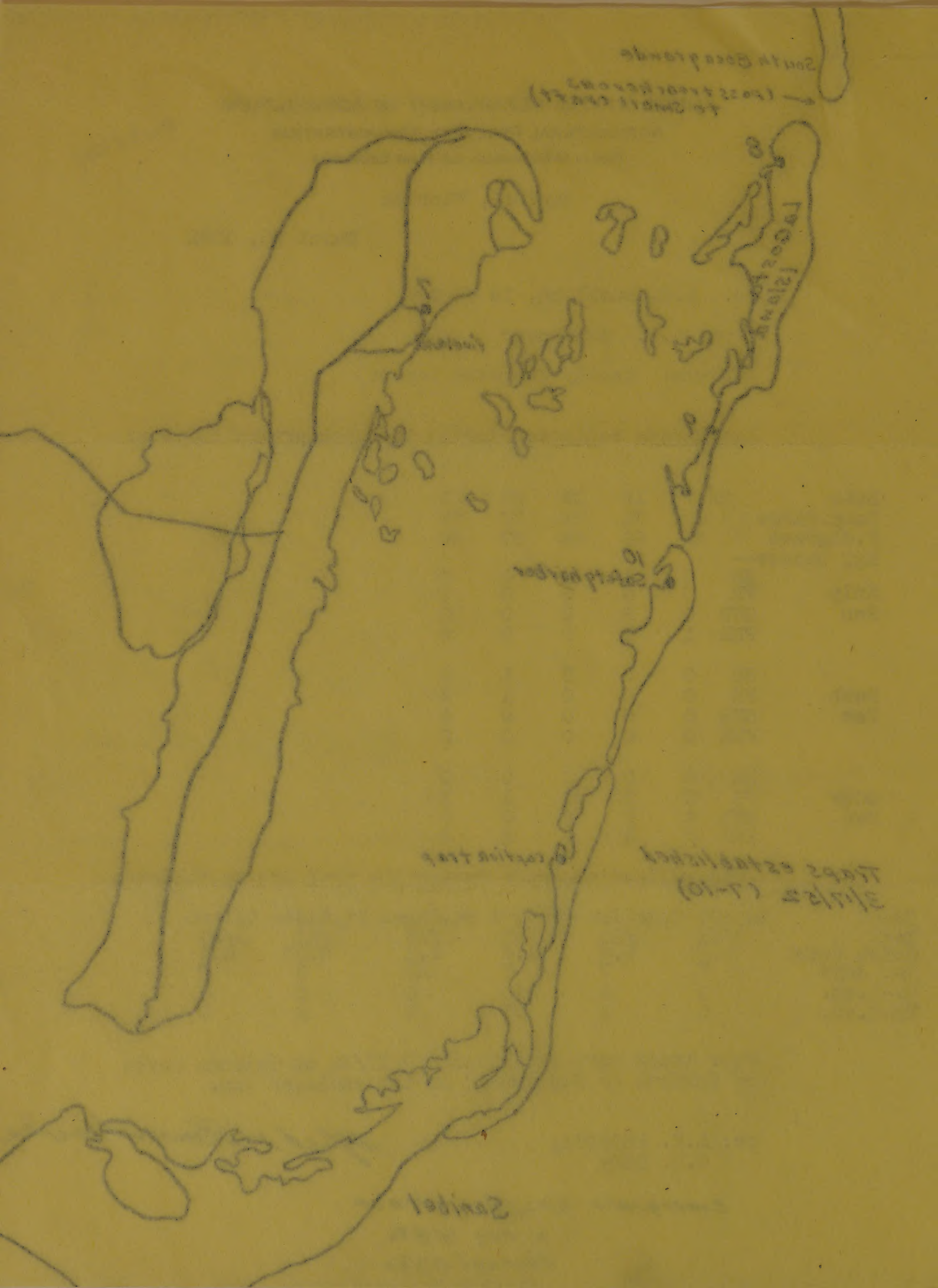
Safety harbor

Captiva trap

Traps established
3/17/52 (7-10)

Sanibel





Sanibel Harbor
(Sanibel Harbor)

Lagoa 12/10/49

Sanibel Harbor

Cocking Trap

Traps established
3/17/52 (7-10)

Sanibel

4

MAR 2 1952

MAR 2 1952

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH ADMINISTRATION
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Sanibel, Florida

March 20, 1952

To: R.C. Bushland, In Charge

From: A.H. Baumhover

Subject: Temperature of Pupal Shipment

The internal temperature of the pupal shipment of 3/17/52 was approximately 100 degrees F. upon opening 3/19/52. Although the pupae for emergence appeared to be emerging as well as before, the carton containing flies for the colony had apparently emerged enroute and the several hundred flies that had emerged were all dead. However, crowding and high humidity may have been as important as temperature in the death of the latter.

If the temperature of the plane compartment has not been checked, it might be well to do so. We have observed that shipments arriving during cool weather have usually emerged a day later than shipments received during warm weather. After being received at the airport in Ft. Meyers, the shipments arrive at the express office within 15 to 20 minutes and are kept at room temperature until picked up.

Mr. Graham returned to official duty 3/19/52 at 2:30 p.m. His foot will be in a cast for approximately 4 weeks, but he will be able to spend his time on routine lab duties.

Alfred H. Baumhover
Alfred H. Baumhover

cc: G.W. Eddy

P.S. Your telegram relating to mailing larvae or ~~unsterile~~ egg masses to Kerrville for emergency monitoring has been received. (3/19/52) 12:54 p.m.

3

MAR 31 1952

UNITED STATES DEPARTMENT OF AGRICULTURE

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Sanibel, Florida

March 29, 1952

To: R.C. Bushland, In Charge

From: A.H. Baumhover

Subject: Weekly Progress Report

Egg masses collected during the week are as follows:

Date		3/22	23	24	25	26	27
Temp. range		78	78	78	78	76	70
F. degrees		68	70	72	72	65	65
Remarks						3" rain	
Egg masses							
	SR	3	2	1	3	0	5
Knip	FR	2	0	1	1	2	2
Pen	SNR	0	1	0	0	0	0
	FNR	0	0	0	2	0	3
	SR	100	0	0	1	0	0
Bush	FR	0	0	0	1	0	0
Pen	SNR	0	0	0	0	0	0
	FNR	0	0	0	0	1	1
	SR	0	1	1	0	0	2
Eddy	FR	3	0	3	0	0	0
Pen	SNR	0	0	0	0	0	1
	FNR	0	1	1	2	0	0

Fly collections made during the week are as follows:

Trap	School	Junction	Captiva	St. James	Pt. Rassa	Estero
Date	3/27	3/27	3/27	3/28	3/27	3/27
Catch (qts)	0.3	0.3	1.0	0.9	0.05	0.4
No. days	6	6	6	11	6	6
R.-C.am.	2	4	14	1	0	0
NR.-C.am.	0	0	23	0	0	0

Trap	Pineland	Upper Lacosta	Lower Lacosta	Safety Harbor
	(7)	(8)	(9)	(10)
Catch (qts)	0.7	0.3	0.05	0.05
No. days	7	7	7	7
R.-C.am	0	0	0	0
NR.-C.am	0	0	0	0
Remarks			Ant destruction	Ant destruction

Both traps treated with chlordane upon servicing 3/25/52.

Weekly progress report, Baumhover, 3/29/52 p.2.

Mr. Smith, who is assisting with the work at Sanibel, delivered an army Geiger Counter in operative condition.

Emergence of recent releases is as follows:

Date	3/5	3/12	3/19
X-ray	70%	48%	54%
Normal	84%	53%	64%

The date in the next to last line of the report written 3/17/52 should be changed from 3/12/52 to 3/5/52 to agree with the above data on emergence.

Please advise us when to expect termination of pupal shipments from Kerrville.

cc: E.F.Knipling
G.W. Eddy

Alfred H. Baumhover

Weekly progress report, Baumhoyer, 2/22/52, p. 2.

Mr. Smith, who is assisting with the work at Sand-
bel, delivered an Army Geiger Counter in operative
condition.

Emergence of recent releases is as follows:

Date	X-ray	Normal
2/5	702	842
2/12	482	532
2/19	542	642

The date in the next to last line of the report
written 2/17/52 should be changed from 2/12/52 to
2/5/52 to agree with the above data on emergence.

Please advise us when to expect termination of pupal
shipments from Kernville.

Walter H. Baumhoyer

cc: E. F. Knippling
C. W. Tedy

Sanibel, Florida

5
MAR 31 1952

March 28, 1952

To: Dr. E.F. Knipling, In Charge

From: A.H. Baumhover

Subject: Insect identification

Under separate cover vials 1,2,3,4,5,6,8 and pill boxes 9 and 10 are being sent for identification of the contained specimens.

Vial 1 contains 1 of 12 warbles obtained from a rat in weak condition. Although the rat died within 12 hours after capture and apparently from the effects of the warbles, 7 of the specimens appeared to be full-grown. Six are being held in an attempt to rear them to adults. The remainder of the bots had died in the animal or were immature.

In their sub-dermal positions located postero-ventrally in the rat, the warbles appearing to be full-grown had produced openings in the skin as large in diameter as the parasite and the wounds were free from furunculous matter.

Vial 8 contains material from the ears of a goat as mentioned in a previous report.

Mr.D.G. Hall, during his recent visit to Sanibel, expressed an interest in sub-dermal parasites.

cc: G.W. Eddy

R.C. Bushland

March 28, 1952

Sanibel, Florida

March 28, 1952

To: Dr. E.P. Knippling, in Charge

From: A.H. Bannhoefer

Subject: Insect Identification

Under separate cover vials 1, 2, 3, 4, 5, 6, 8 and pill boxes 9 and 10 are being sent for identification of the contained specimens.

Vial 1 contains 1 of 12 warbles obtained from a rat in weak condition. Although the rat died within 12 hours after capture and apparently from the effects of the warbles, 7 of the specimens appeared to be full-grown. Six are being held in an attempt to rear them to adults. The remainder of the lots had died in the animal or were immature.

In their sub-dermal positions located posteriorly in the rat, the warbles appearing to be full-grown had produced openings in the skin as large in diameter as the parasite and the wounds were free from purulent material.

Vial 8 contains material from the ears of a goat as mentioned in a previous report.

Mr. D.G. Hall, during his recent visit to Sanibel, expressed an interest in sub-dermal parasites.

cc: G.W. Eddy
R.C. Russell